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TITLE: CONTROL SYSTEM FOR PRIORITY OF USER  
TASK  
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INVENTOR-INFORMATION:  
NAME  
KUROBA, NORIO

ASSIGNEE-INFORMATION:  
NAME FUJITSU LTD COUNTRY  
N/A

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ABSTRACT:

PURPOSE: To control the priority with high efficiency by increasing temporarily the priority level of its own user task which is being used to the resources for which other user tasks are waiting.

CONSTITUTION: A key control part 3 performs the key control for user tasks 1A~1C of users A~I respectively according to the information given from an exclusive control part 2 which gives the exclusive control to the use of resources. Here a priority control part 4 increases temporarily the priority

level of the task 1C compared with the task corresponding to a user K in response to the control contents of the part 3 in such a case where the user I uses the resources X and the user K is waiting for use of the resources X. In the same way, the priority level of the task 1C is increased temporarily compared with the task 1A via the part 4 in case the task 1A request the use of the resources X and is set under a waiting state. When the use of the resources X is promoted and through, the priority level of the task 1C is set back to its original level by the part 4. Thus the priority levels of user tasks can be controlled appropriately with high efficiency.

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